

FTV



Office Products Division

Customer Engineering

IBM INTERNAL USE ONLY

CAM FOLLOWER REMOVAL PROCEDURE &
CORRECTING 8/9XX – PRINT QUALITY



Form No. PCE-095
March, 1976

Unwanted inking and/or filled in characters using correctable film ribbon. This condition can be reduced by making the following checks and adjustments:

- A. Check the application. Best results are obtained with a 16-20lb. smooth finish original with less than three copies. (Refer to Applications Folder 241-5746 and 241-5671).

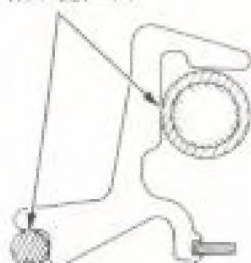
B. Adjustments:

1. Platen front-to-rear.

Check Paper Feed And Index

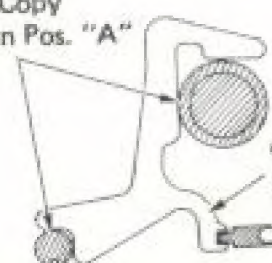


Touching With Copy Control In Pos. "A"



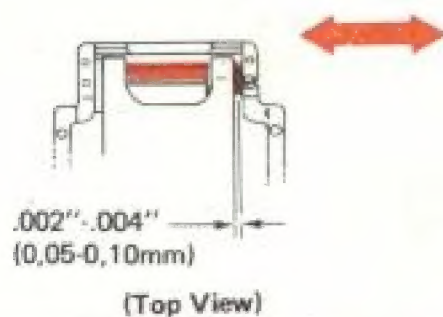
(Single Pitch) Gauge Held Up

Touching With Multiple Copy Control In Pos. "A"



(Dual Pitch) Gauge Held Down

2. Platen height — Even top and bottom.
3. All rotate and tilt homing adjustments.
-
4. Rocker shaft end play.

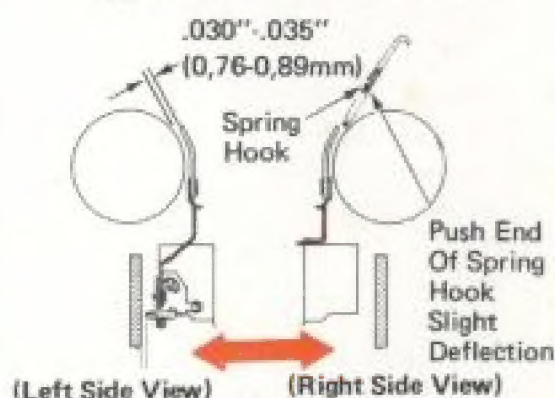


(Top View)

5. Rotate and tilt detents — Minimum side play, no binds.

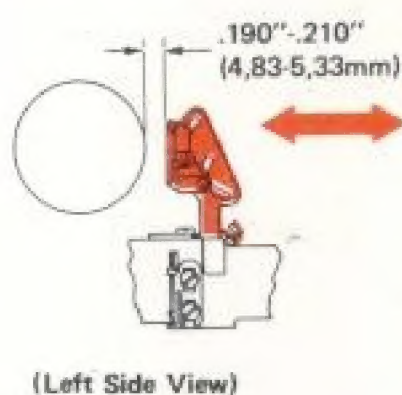
6. Cardholder

NOTE: These clearance should only be used to correct machines experiencing filled in characters with correctable film. The normal adjustments applies to all other machines.

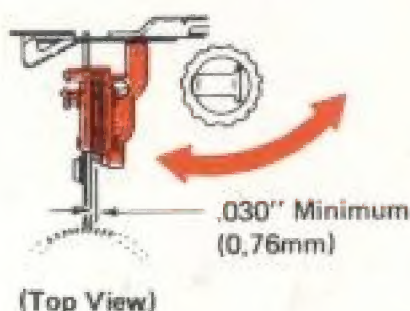


NOTE: Make sure cardholder is .030\"

7. Left-hand ribbon lift guide.



(Left Side View)



(Top View)

8. Escapement timing — Escapes just after print.

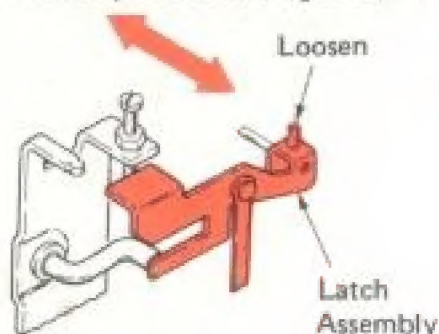
- C. If the application is not recommended for use with the correctable film ribbon, and the above adjustments do not produce satisfactory results, suggest Tech III coverup.

- D. Contact CE and Marketing management if problems exist due to application and the above steps do not produce acceptable quality.

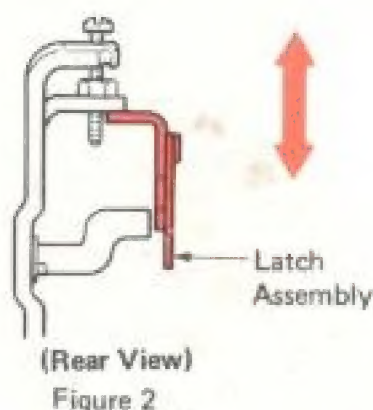
RECOMMENDED CAM FOLLOWER REMOVAL PROCEDURE

CARRIER RETURN AND SPACEBAR

1. Unplug machine.
2. Remove escapement trip link (707-10).
3. This procedure does not require removal of the operational shaft however, if you wish, remove at this time.
4. Disconnect C/R (725-213) and S/B (725-201) cam follower restoring springs.
5. (US & Canada only). Remove on-off switch from mounting bracket.
6. (Dual Pitch) Remove index interlock link (724-017).
7. Disconnect lower index link from multiplying lever.
8. Remove S/B (Single Pitch) C/R and B/S latch springs (725-210).
9. Loosen C/R latch assembly setscrew (703-604) and move latch assembly toward center of machine (Figure 1) and lift up as shown (Figure 2).

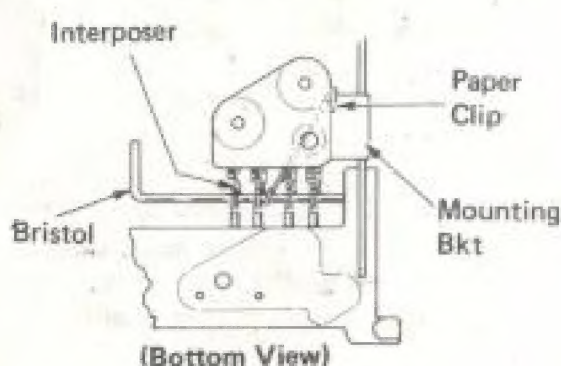


(Rear View)
Figure 1



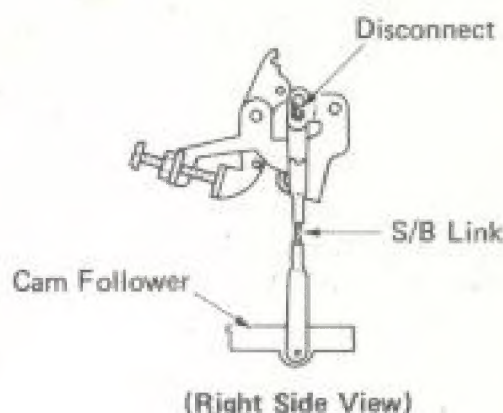
(Rear View)
Figure 2

10. Install bristol wrench through holes in interposers and secure to RH mounting bracket with paper clip (Figure 3).



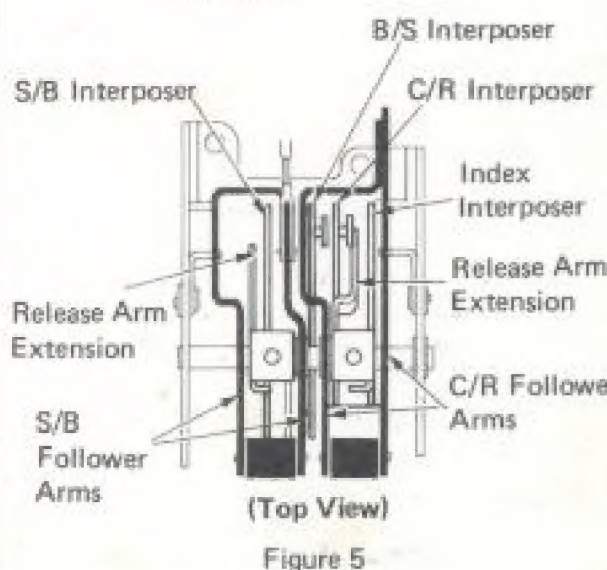
(Bottom View)
Figure 3

11. (Correcting) Disconnect correcting keylever link (726-090) and spring (726-081) from mode latch (726-082).
12. Remove all C-clips (8) from pivot shaft and remove shaft from right.
13. Remove C/R cam follower (from front or rear).
14. (Dual Pitch) Disconnect S/B link at top clevis (Figure 4).



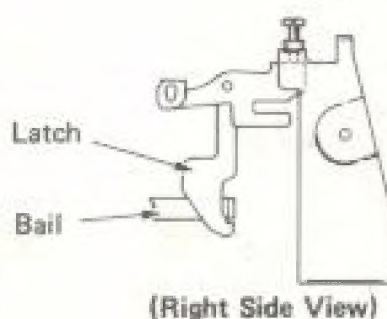
(Right Side View)
Figure 4

15. Remove S/B cam follower from front of machine.
16. Install C/R cam follower:
 - a. (Dual Pitch) The index, C/R and B/S interposers should be between the cam follower arms (Figure 5).



(Top View)
Figure 5

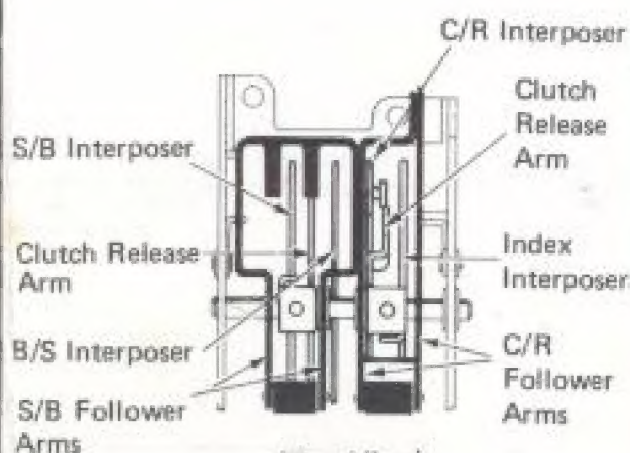
- b. (Dual Pitch) The C/R and B/S latches should be to the front of the cam follower bail (Figure 6).



(Right Side View)
Figure 6

(Single Pitch) The index and C/R interposers should be between the cam follower arms (Figure 7).

- c. The clutch release arm should be on the right of the C/R interposer (Figures 5 and 7).



(Top View)

Figure 7

17. Install pivot pin through RH cage plate, C/R cam follower and clutch release arm.
18. Install S/B cam follower:

- a. (Dual Pitch) S/B link may be installed with the cam follower. With cam follower in place, hook clevis (717-306) to bell-crank.
- b. (Dual Pitch) The S/B interposer and clutch release arm should be between the cam follower arms with the clutch release arm to the left of the interposer (Figure 5).
- c. (Single Pitch) The B/S and S/B interposers and clutch release arm should be between cam followers arms (Figure 7) with the latches in their own slots and under the cam follower bail (Figure 8). The clutch release arm extension should be between the interposers (Figure 7).

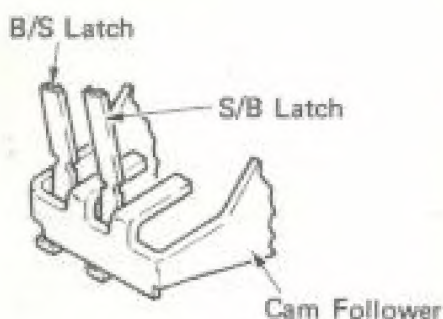


Figure 8

19. Install the pivot pin through the S/B cam follower and clutch release arm and install the C-clips in the following order (Figure 9).

NOTE: Number 8 is a bias C-clip.

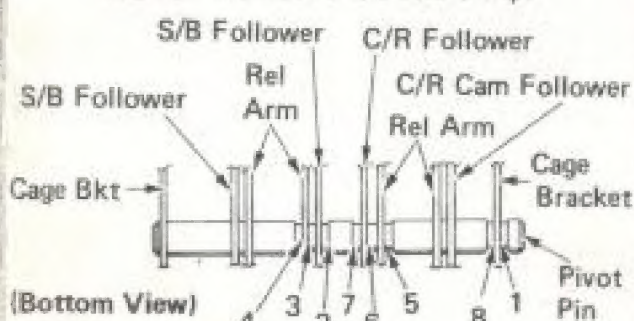
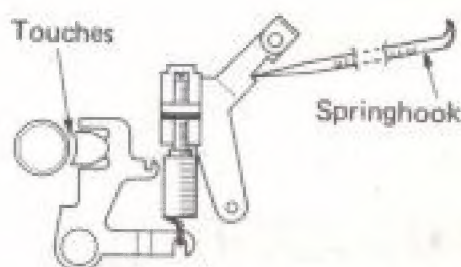


Figure 9

20. Position the C/R latch assembly in place and with pusher end of springhook, push arm against C/R spring and tighten setscrew (Figure 10).



(Level 2)

Figure 10

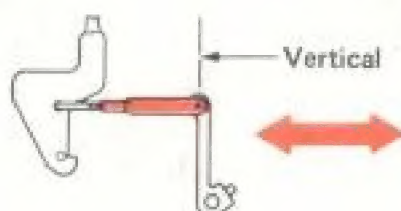
21. Install index link to multiplying lever (rear hole is for 36 tooth only).
22. Hook S/B (Single Pitch), C/R and B/S latch springs. (This is done by half cycling the related OP cam while holding latch under bail) Latches are now easily reached.
23. Reconnect C/R and S/B cam follower restoring springs.
24. Replace index interlock link.
25. (US & Canada only) Replace on-off switch.
26. Reconnect correcting keylever link and spring.
27. Remove paper clip and bristol wrench.
28. Replace escapement trip link.

ADJUSTMENTS:

1. Escapement trip link.



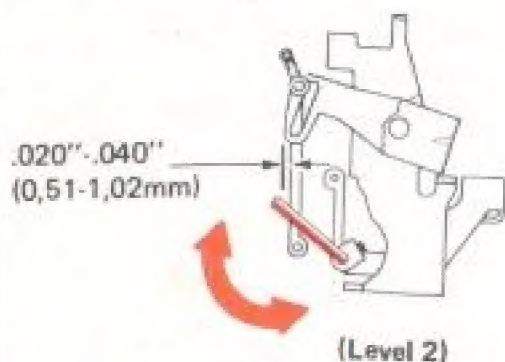
2. Index interlock link (Dual Pitch).



3. Index interlock paddle (Dual Pitch).

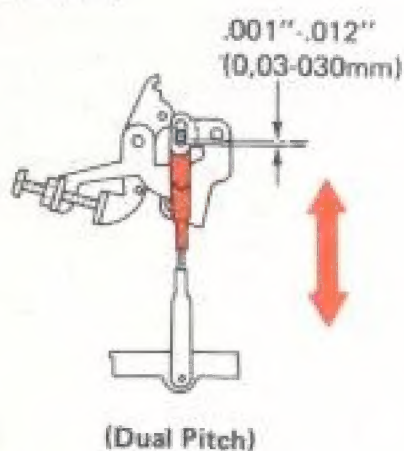


(Level 1)



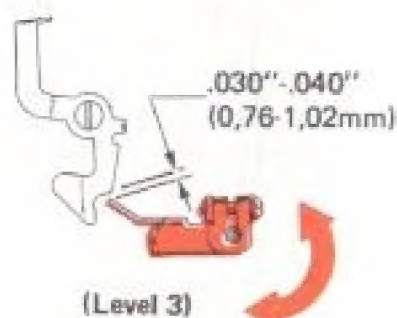
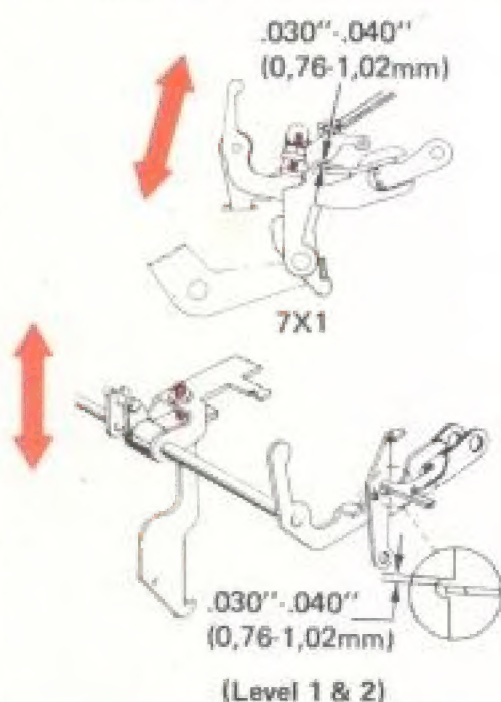
4. All index adjustments refer to adjustments frame 220 to 232 of adjustment, parts manual 241-5939

5. Spacebar Link.

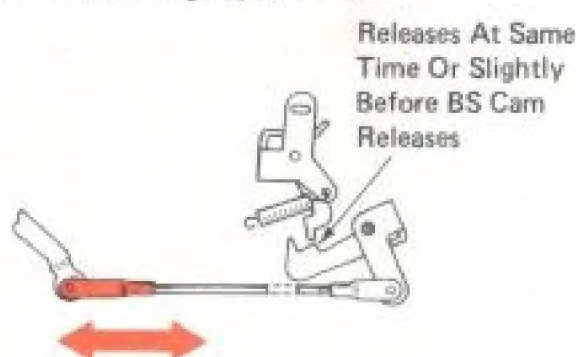


6. Latch height — .001"-.015" clearance between latches and bails with interposers tripped off.

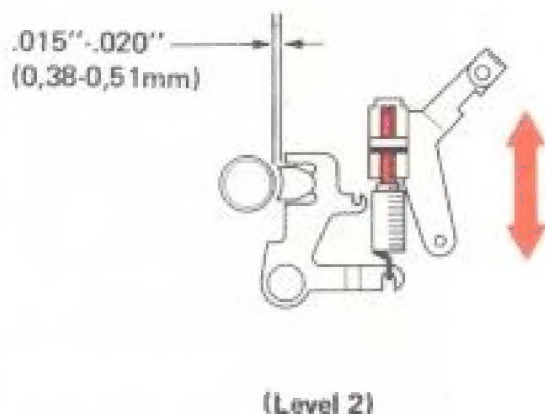
7. Carrier return latch overthrow.



8. Correcting keylever link.



9. Carrier return shoe clearance.



PARTS REQUIRED:

| MECH/REF | PART NO. | DESCRIPTION |
|----------|----------|--------------------------------------|
| 725 202 | 1124508 | Cam Follower (S/B) (Single Pitch) |
| 202 | 1204971 | Cam Follower (S/B) (Dual Pitch) |
| 204 | 6518508 | Cam Follower (C/R) (Single Pitch) |
| 204 | 1204993 | Cam Follower (C/R) (Dual Pitch) |

THE FOLLOWING INFORMATION FOR IBM USE ONLY.

Estimated Installation Time — 1.0 hours.

CHANGE TYPE: Reliability • Appl. 3 • Service Code: 30/31

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